

FOREWORD

The basic philosophy of this Journal is threefold. It consists of the belief

- (1) that the advent of computers opened up new vistas in the realms of mathematical research,
- (2) that a very large number of the complex aspects of presently existing computers, and certainly of forthcoming ones, can be best described, understood and controlled by means of mathematical tools and
- (3) that a judicious interplay of these two fields is necessary, perhaps in novel ways, if many of the now elusive problems of fields such as economics, biology, systems science and the like are to be tackled in meaningful ways.

Our aim is to seek out and publish papers which address problems belonging to one of the above categories.

We hope to succeed in this endeavor. It must be stated here, however, that any success to be gained will be due in full measure to the interest, participation and concern of our full Editorial Board; without their expertise in many varied fields such a publication could not have appeared.

Our criterion of success will be a simple one: to play a respectable pioneering role in at least some of the aspects of the vast areas of research in which we are potentially interested.

ERVIN Y. RODIN